

INTERNATIONAL SEARCH REPORT

International application No.

"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "A" date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			PCT/JP	2004/014195	
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl? F16H45/02, F16H41/28, B23K1/00, C21D9/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004 Kokal Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Cliation of document, with indication, where appropriate, of the relevant passages Y JP 5-71612 A (Daikin Manufacturing Co., Ltd.), 1-6 23 March, 1993 (23.03.93), Fig. 1 (Family: none) Y JF 5-71611 A (Nissan Motor Co., Ltd.), 23 March, 1993 (23.03.93), Par. Nos. [0021] to [0033] (Family: none) Y JP 61-140364 A (Honda Motor Co., Ltd.), 27 June, 1986 (27.06.86), Page 3, upper left column, lines 5 to 19 (Family: none) V Further documents are listed in the continuation of Box C. See patent family annex. To see the proper search of the same patent family annex To see the proper search of the search of the same patent family annex To search of the same patent family To search of the same			00, C21D9/00		
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Data of the actual completion of the international search	"P" document published prior to the international filing date but later than the priority date claimed		combined with one or more other such documents, such combination being obvious to a person skilled in the art		
	Date of the actual completion of the international search 18 October, 2004 (18.10.04)				
Name and mailing address of the ISA/ Japanese Patent Office Authorized officer			Authorized officer		
Facsimile No. Telephone No. Form PCT/ISA/210 (second sheet) (January 2004)		0 (second sheet) (January 2004)	Telephone No.		



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International application No.
PCT/JP2004/014195

Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	JP 10-26208 A (Denki Kogyo Co., Ltd.), 27 January, 1998 (27.01.98), Full text (Family: none)			
A	JP 45-23408 B1 (Nissan Motor Co., Ltd.), 06 August, 1970 (06.08.70), Full text (Family: none)		1,6	
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